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(19) **United States**(12) **Patent Application Publication****Lowles et al.**(10) **Pub. No.: US 2008/0303795 A1**(43) **Pub. Date: Dec. 11, 2008**(54) **HAPTIC DISPLAY FOR A HANDHELD
ELECTRONIC DEVICE****Publication Classification**(51) **Int. Cl.**
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(52) **U.S. Cl.** **345/173**(57) **ABSTRACT**(76) Inventors: **Robert J. Lowles, Waterloo (CA);
Richard Zhongming Ma, Waterloo
(CA); Edward Hui, Waterloo (CA)**

Correspondence Address:

**NOVAK DRUCE + QUIGG LLP (RIM)
1000 LOUISIANA STREET, FIFTY-THIRD
FLOOR
HOUSTON, TX 77002 (US)**(21) Appl. No.: **11/760,257**(22) Filed: **Jun. 8, 2007**

A handheld wireless communication device features a haptic, touch-sensitive display screen. The handheld wireless communication device is constructed such that it has a hand cradleable body and a display screen disposed on the body. The display screen is configured to display images of buttons, icons and/or other graphical user interface items. Additionally, a touch-sensing assembly with components disposed on or adjacent to the display screen is provided in the handheld device. Furthermore, a haptic assembly is disposed on an upper surface of the display screen. The haptic assembly provides tactile stimulation to the user when the user touches the display screen at a location corresponding to the image of a button, icon, or other graphical user interface item.

